

FSK Multidrop PROFIBUS modem

TD-29P

- ⌘ Permits PROFIBUS communication to remote connections, both point-to-point and multidrop
- ⌘ Half-duplex communications with data rates 9600 bit/s and 19.2 kbit/s
- ⌘ Galvanic isolation
- ⌘ Dip-switch configuration
- ⌘ Transmission range up to 10 km (6.21 mi)
- ⌘ Transient protection on the line side
- ⌘ Also available with extended temperature range
- ⌘ Reliable performance and function
- ⌘ Handles high levels of interference and exposed locations



EN 61000-6-2 Industrial Immunity
EN 61000-6-3 Residential Emission

TD-29P is designed to meet industrial demands on reliability and functionality in environments with high levels of interference. TD-29P is intended for half duplex communications over a 2-wire dedicated line of the PROFIBUS protocol (RS-485). TD-29P can be used as a repeater, point-to-point or in a multidrop application.

Data rates 9600 and 19200 bit/s are supported over a range of up to 10 km (6.21 mi). The transmission range and number of multidrop points are affected by the number of connected modems and line quality. Typically 10 TD-29P could be connected along 11 km of cable at a data rate of 9600 bit/s. TD-29P is designed for dedicated lines and must not be connected to the telephone network or leased lines.

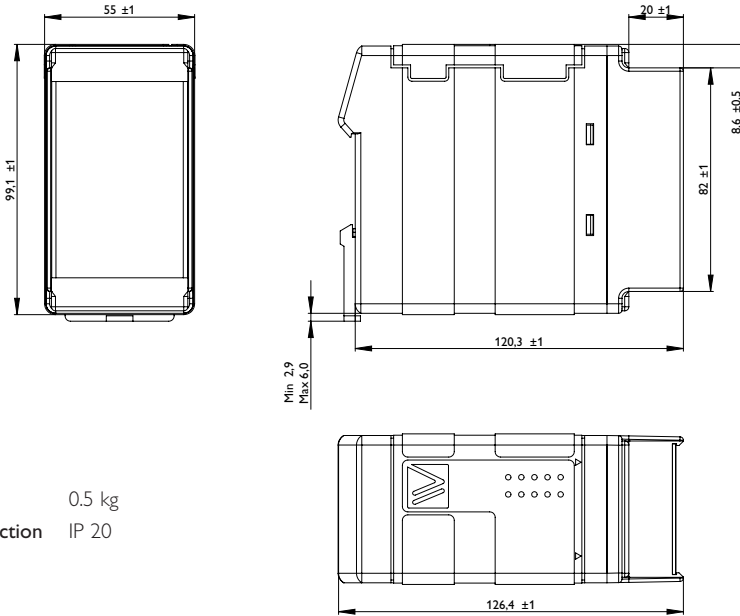
TD-29P is intended for mounting on a 35 mm DIN-rail, where the modem is attached and locked in a single action.

Ordering Information

Art.no	Description
3611-0020	TD-29P, 12 – 36 VDC

Specifications TD-29P

Dimensional drawing



Weight 0.5 kg
 Degree of protection IP 20

Power

Operating voltage	12 to 36 VDC
Rated current	200 mA

Interfaces

RS-485	1 x 9600 bit/s to 19.2 kbit/s
FSK-Line	1 x 9600 bit/s to 19.2 kbit/s

Temperature

Operating	5 to 50°C
Storage & Transport	-40 to +85°C

Agency approvals and standards compliance

EMC	EN 61000-6-2 Immunity for industrial environments
	EN 55024 Information technology equipment – Immunity
	EN 61000-6-3 Emission standard for residential, commercial and light-industrial environments
	EN 60950 Safety of information technology equipment
	FCC part 15 Radio frequency devices